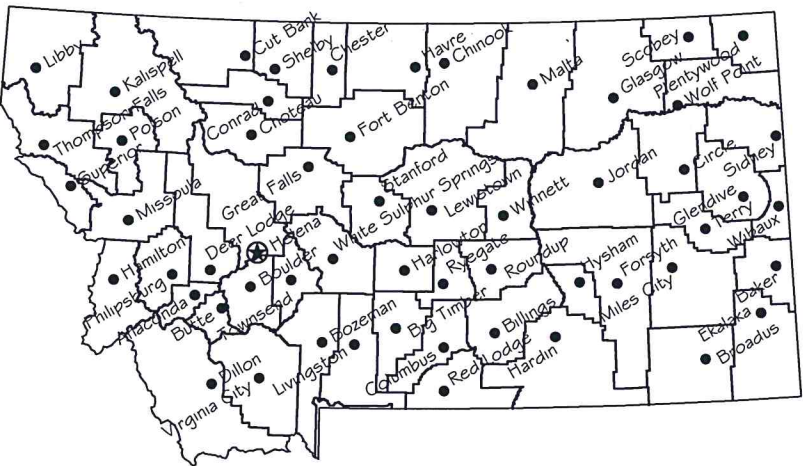


# PROPOSED SITE IMPROVEMENTS AT THE CAUSEWAY FISHING ACCESS SITE

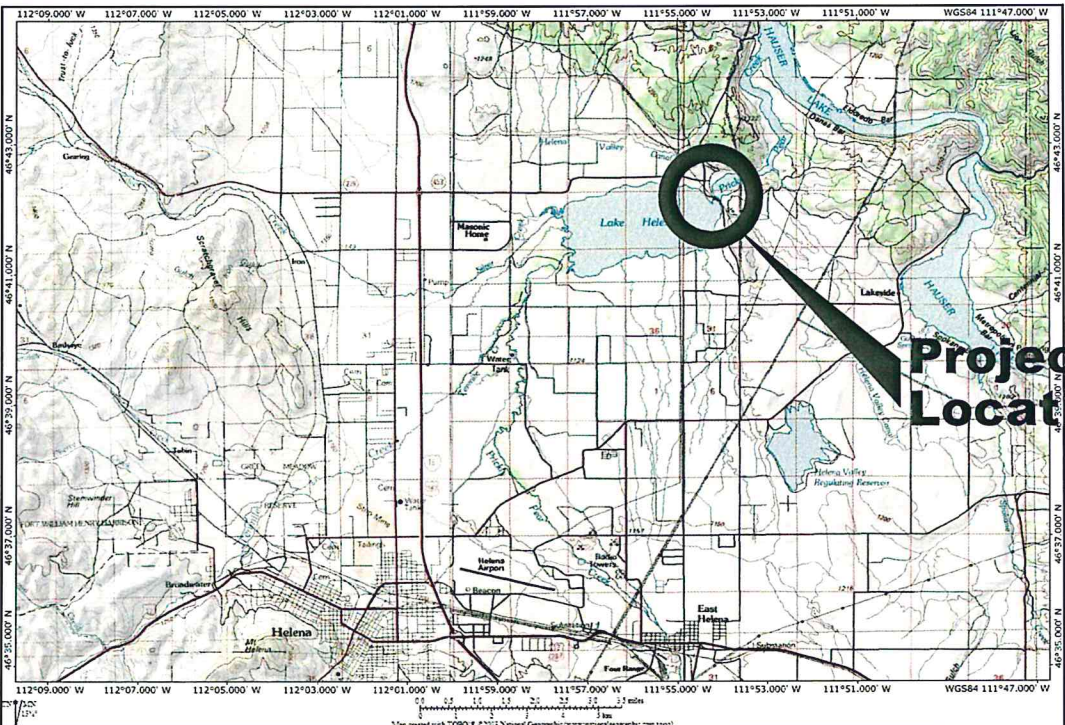
NEAR HELENA, MT

FWP #7173612



**Location Map**

No Scale



**Vicinity Map**

No Scale

## MONTANA FISH, WILDLIFE AND PARKS DESIGN AND CONSTRUCTION

MAILING ADDRESS: PO BOX 200701  
HELENA, MT 59620-0701  
TEL 406.841.4000  
FAX 406.841.4004  
fwp.mt.gov/Doing Business/Design&Construction

PHYSICAL ADDRESS: 1522 9th AVENUE  
HELENA, MT 59601

## DRAWING INDEX

- 1 COVER SHEET
- 2 SITE PLAN
- 3 SITE DETAILS
- 4 SITE DETAILS
- 5 STRUCTURE FLOOR PLANS
- 6 STRUCTURE ELEVATIONS



B. Mangum August 28, 2017  
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CHECKED BY: DATE:

APPROVED BY: DATE:  
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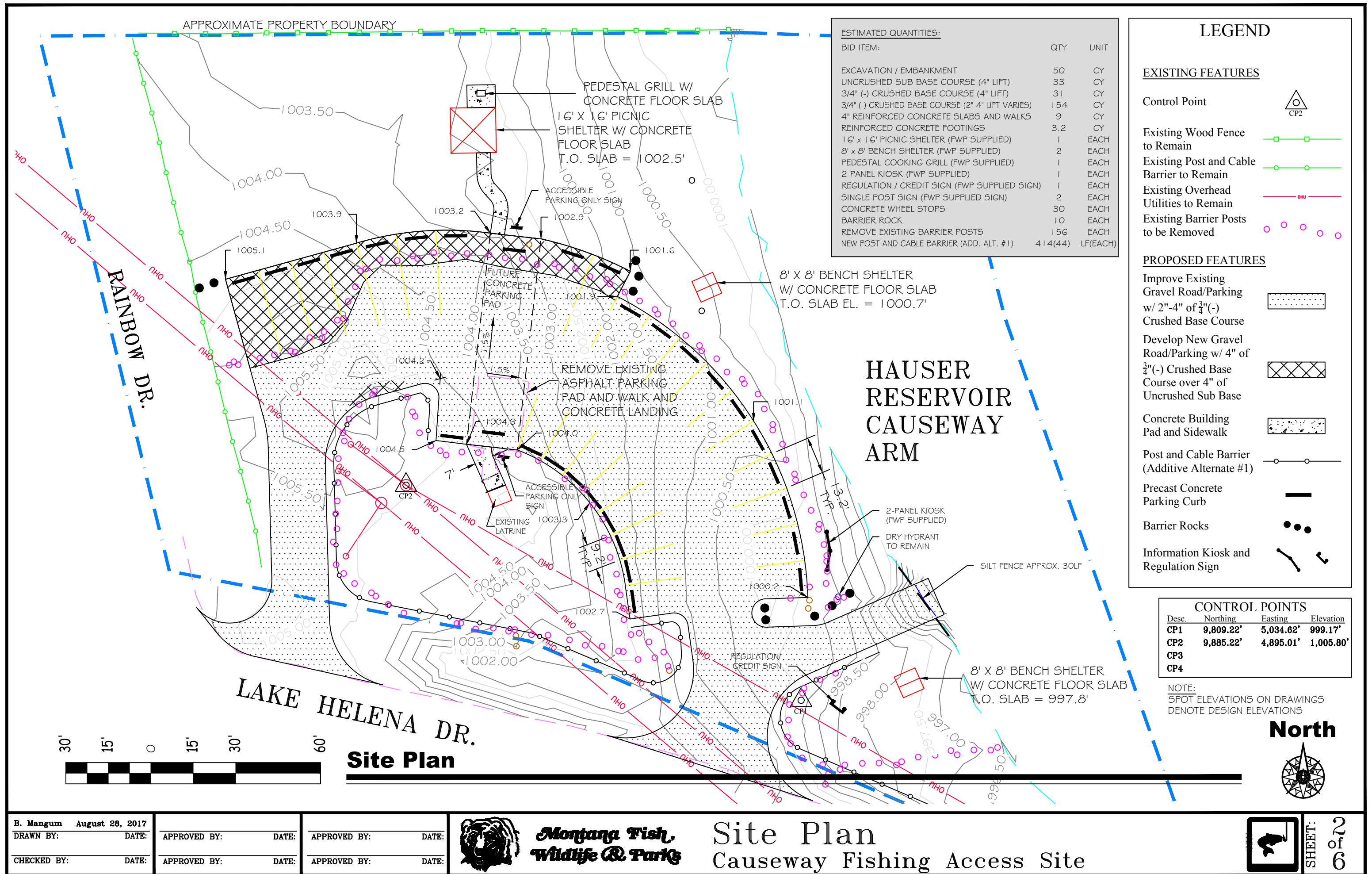
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Wildlife & Parks**

Cover Sheet  
Causeway Fishing Access Site

SHEET: 1 of 6



B. Mangum August 28, 2017  
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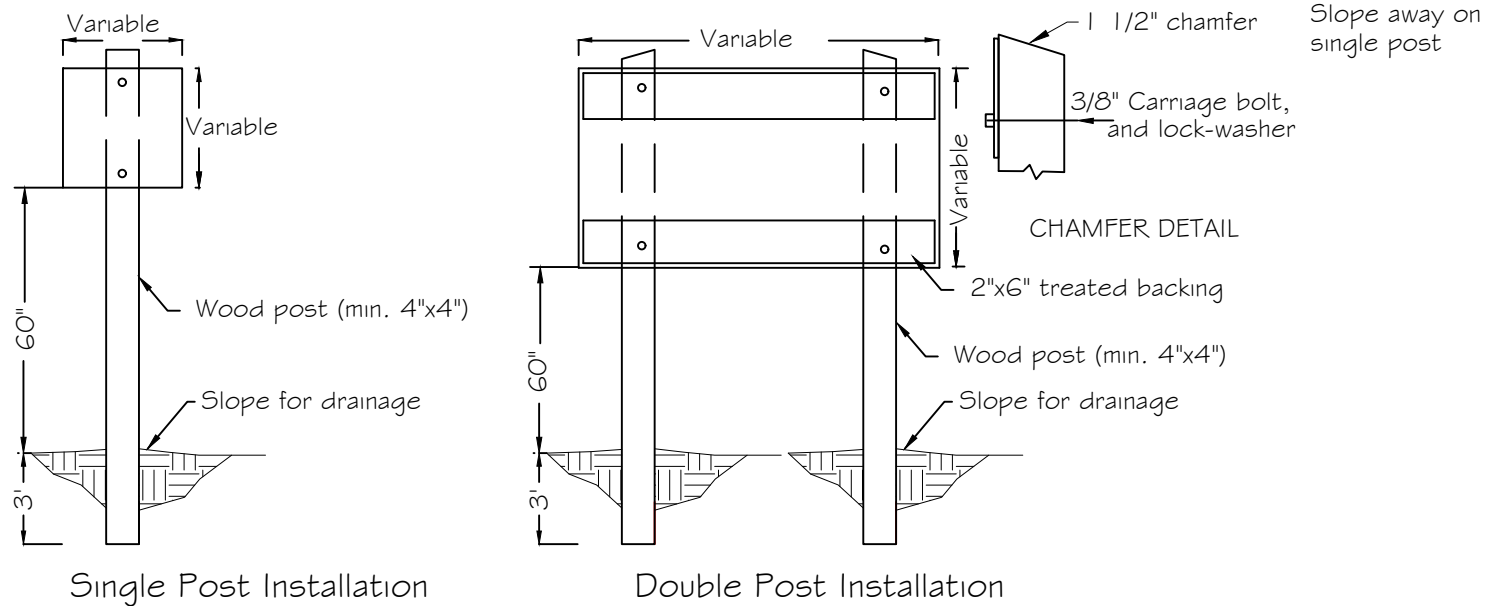


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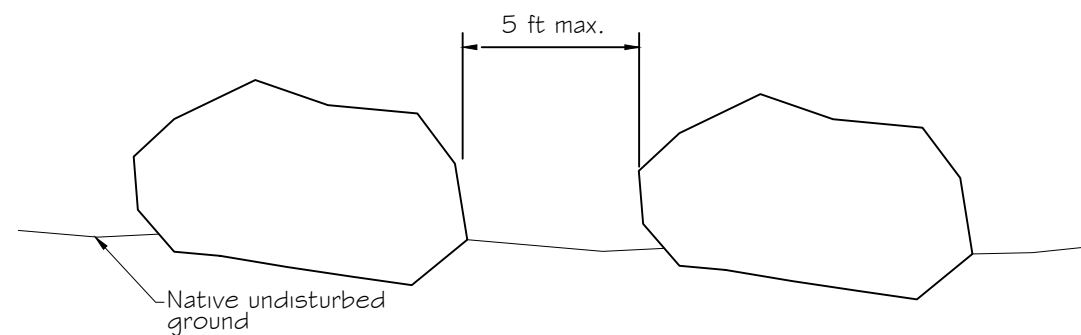
Site Plan  
Causeway Fishing Access Site



SHEET:  
2 of 6



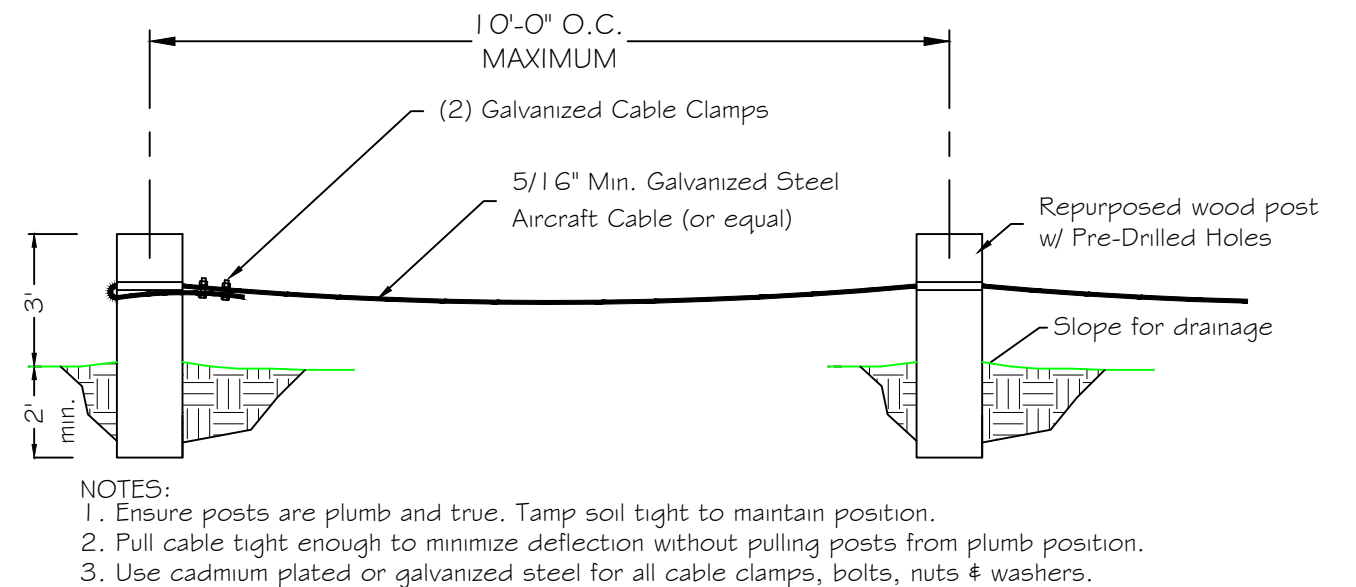
## Sign Post Mounting Detail



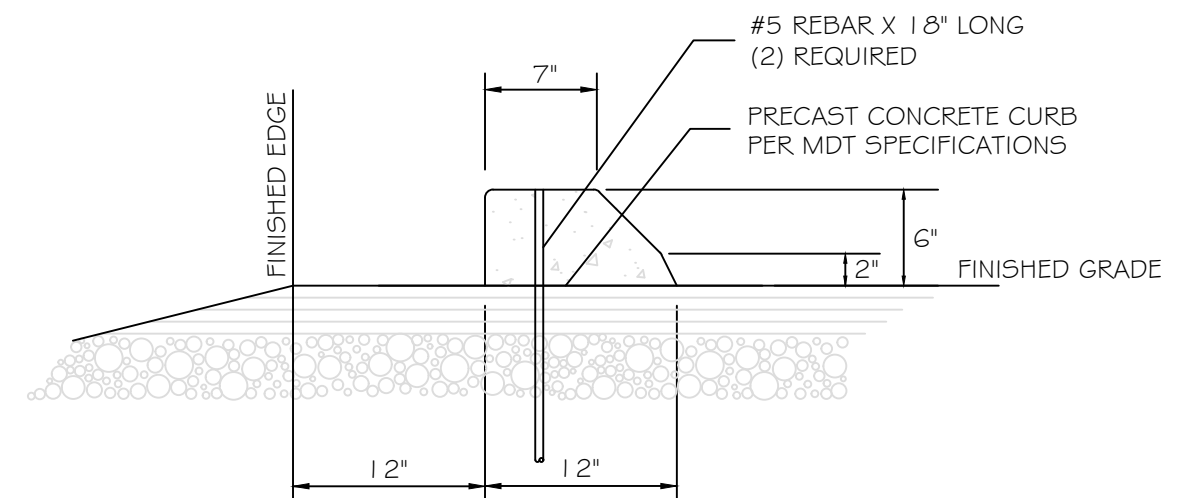
### NOTES:

1. Barrier rocks shall be placed on undisturbed grade.
2. Backfill each boulder with topsoil material to 1/3 height as available.
3. Space barrier rocks at a maximum distance of 5 ft (edge to edge).
3. Place barrier rocks 5-6 ft from edge of road (edge to gravel).

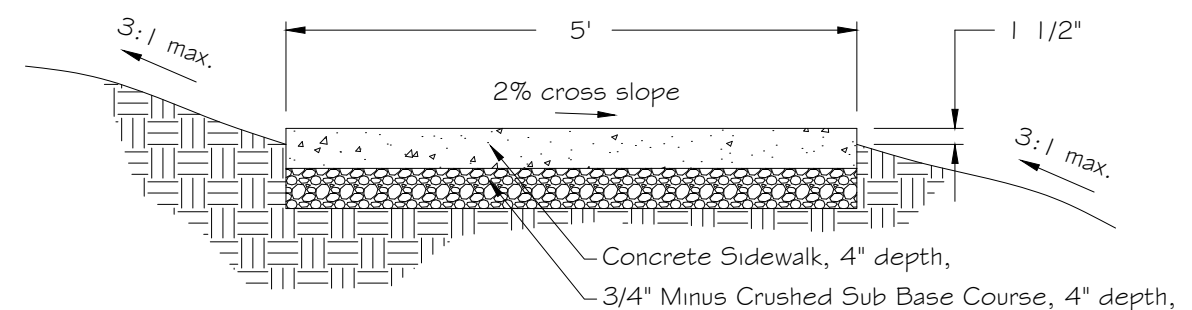
## Barrier Rock Placement Detail



## Barrier Post and Cable Detail



## Precast Concrete Wheelstop Section



## Typical Concrete Walk Section

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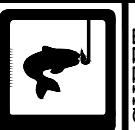
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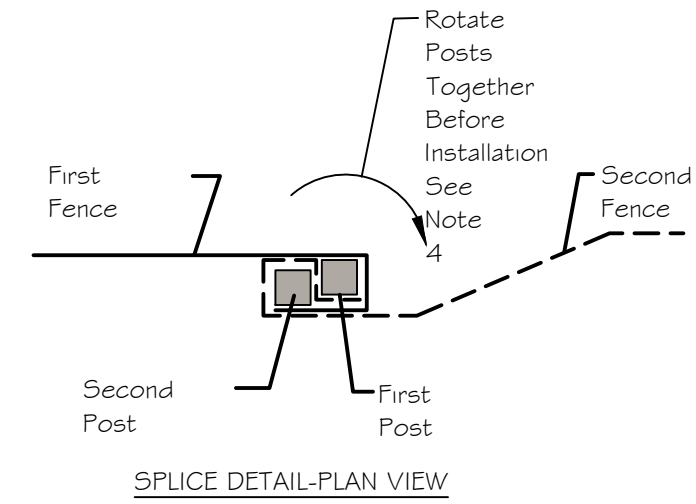
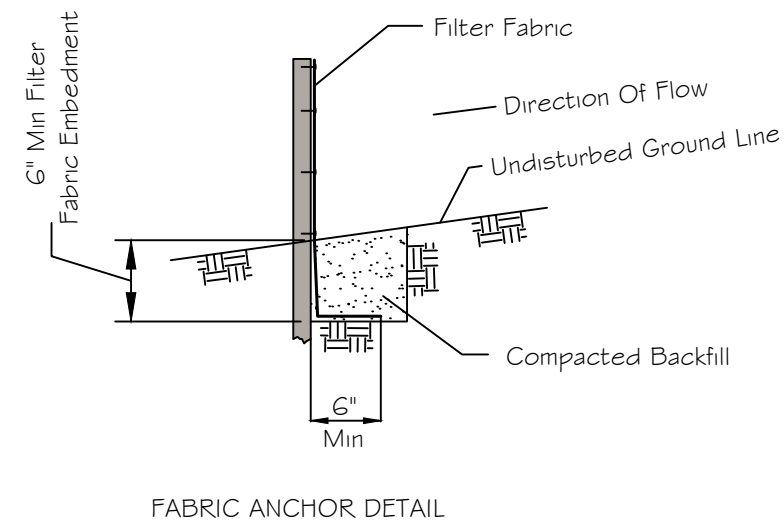
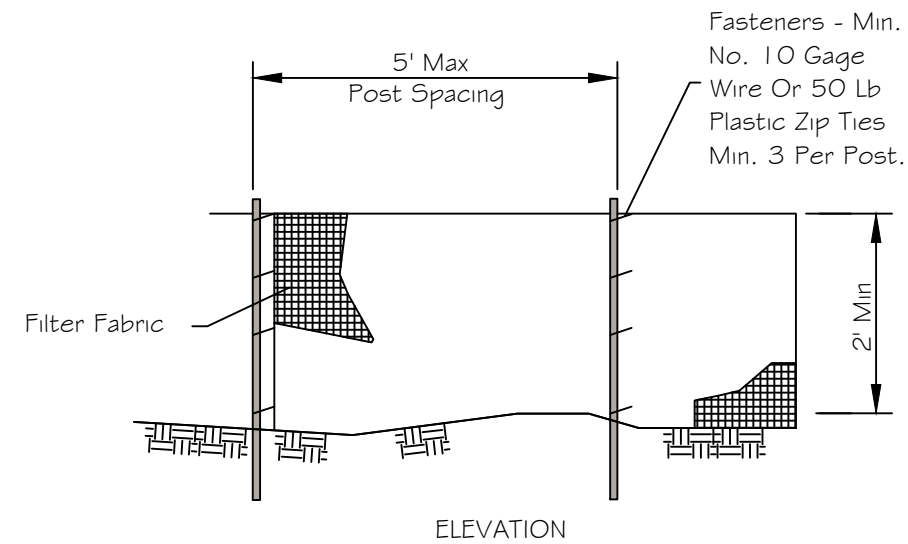
Site Details  
 Causeway Fishing Access Site



SHEET:  
 3 of 6

**NOTES:**

1. Temporary silt fence shall be installed prior to any grading work in the boat ramp area. Fence shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of MPWS specification 02110 Geotextiles.
3. Fence posts shall be either wood post with a minimum cross-sectional area of 1.5" X 1.5" or a standard steel T post.
4. When splices are necessary make splice at post according to splice detail. Place the end post of the second fence inside the end post of the first fence. Rotate both posts together at least 180 degrees to create a tight seal with the fabric material. Cut the fabric near the bottom of the posts to accommodate the 6 inch flap. Then drive both posts and bury the flap. Compact backfill well.



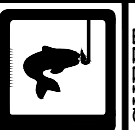
## Temporary Silt Fence at Gravel Boat Ramp

<b>B. Mangum</b>	<b>August 28, 2017</b>				
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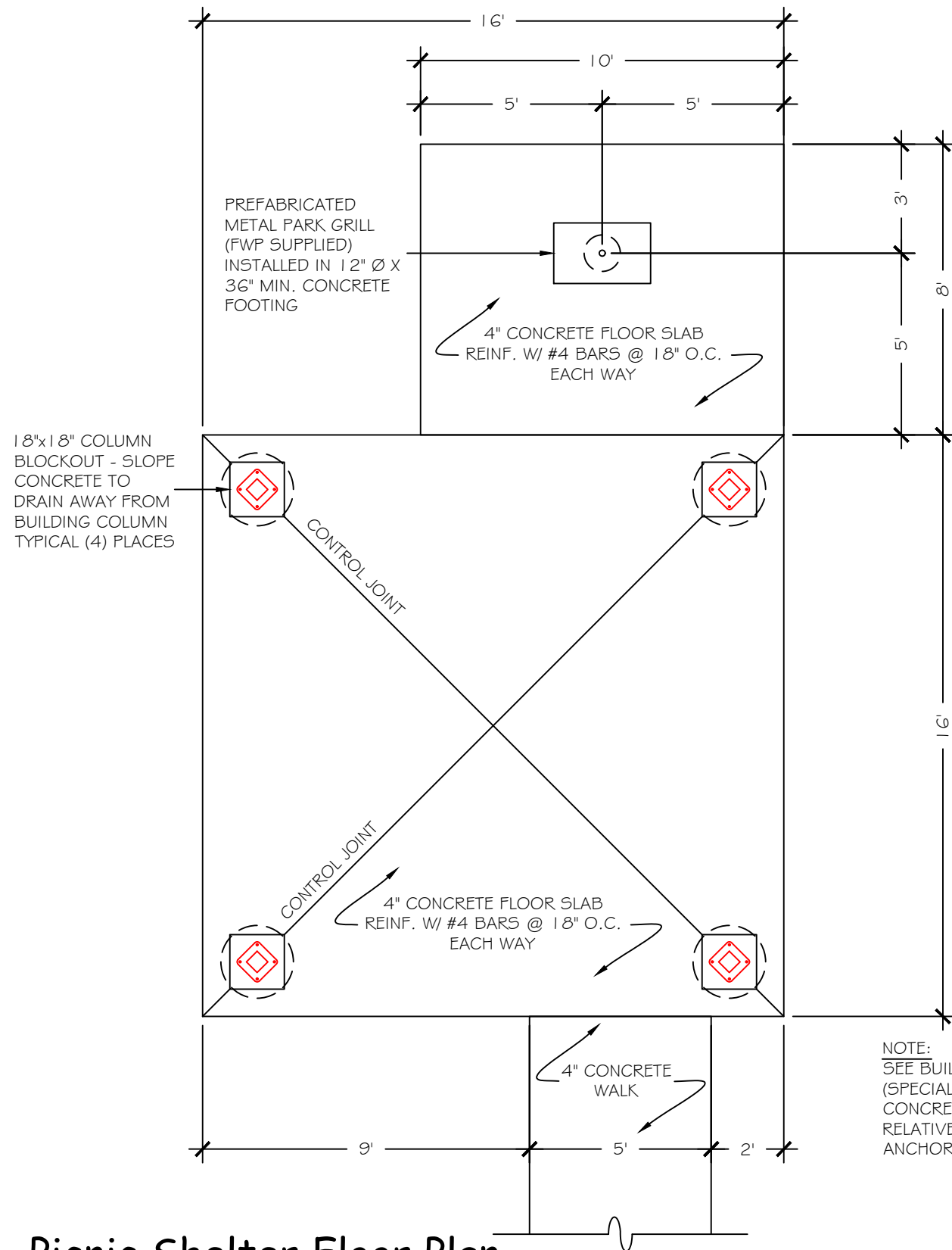


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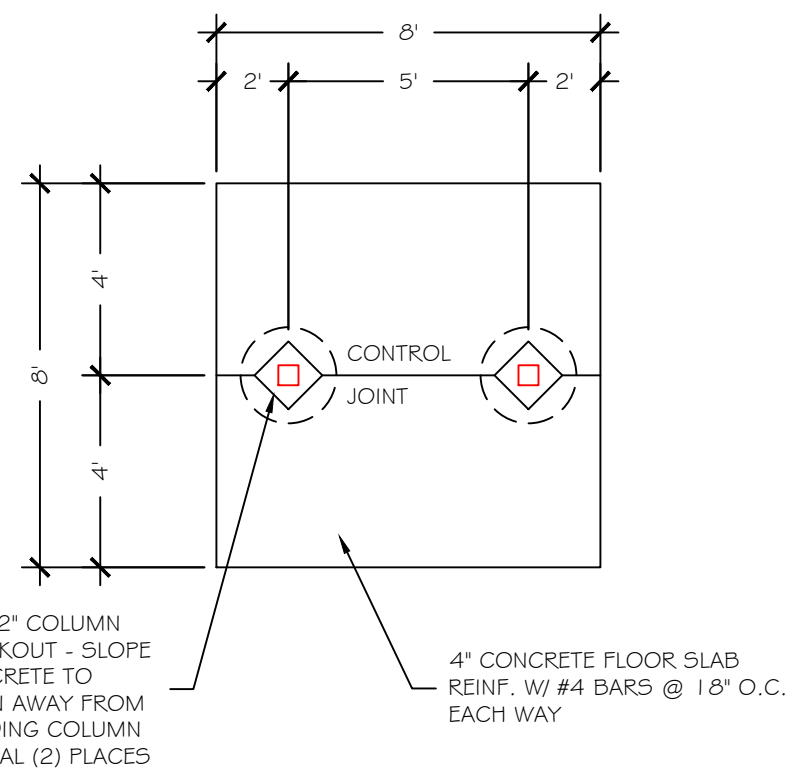
**Site Details**  
**Causeway Fishing Access Site**



**SHEET:**  
**4 of 6**



Picnic Shelter Floor Plan



Bench Shelter Floor Plan

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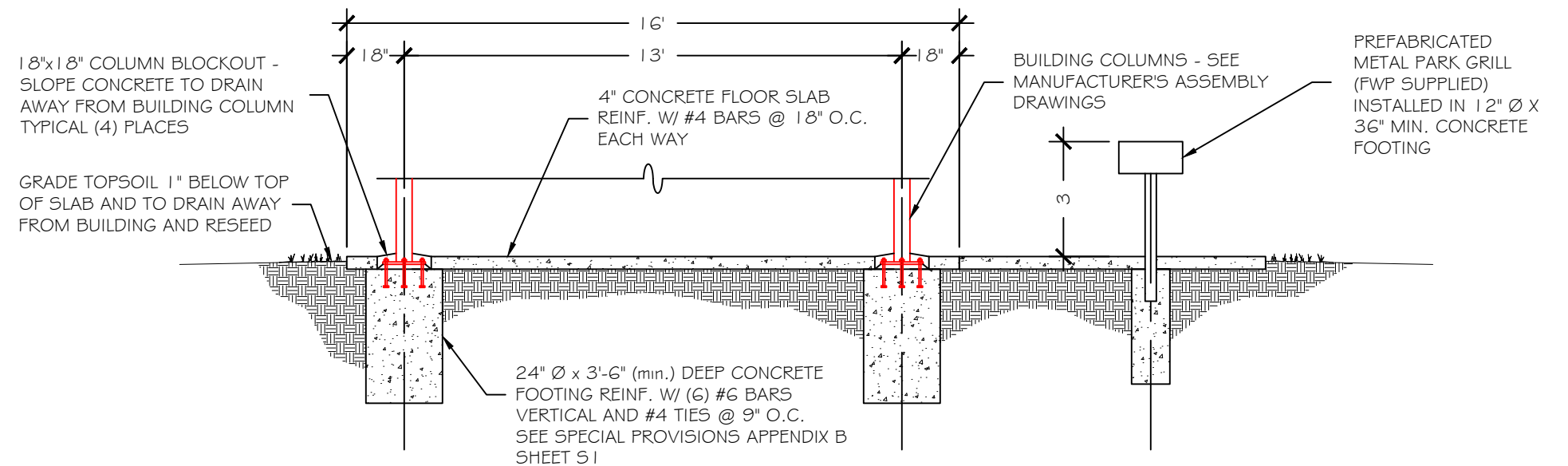


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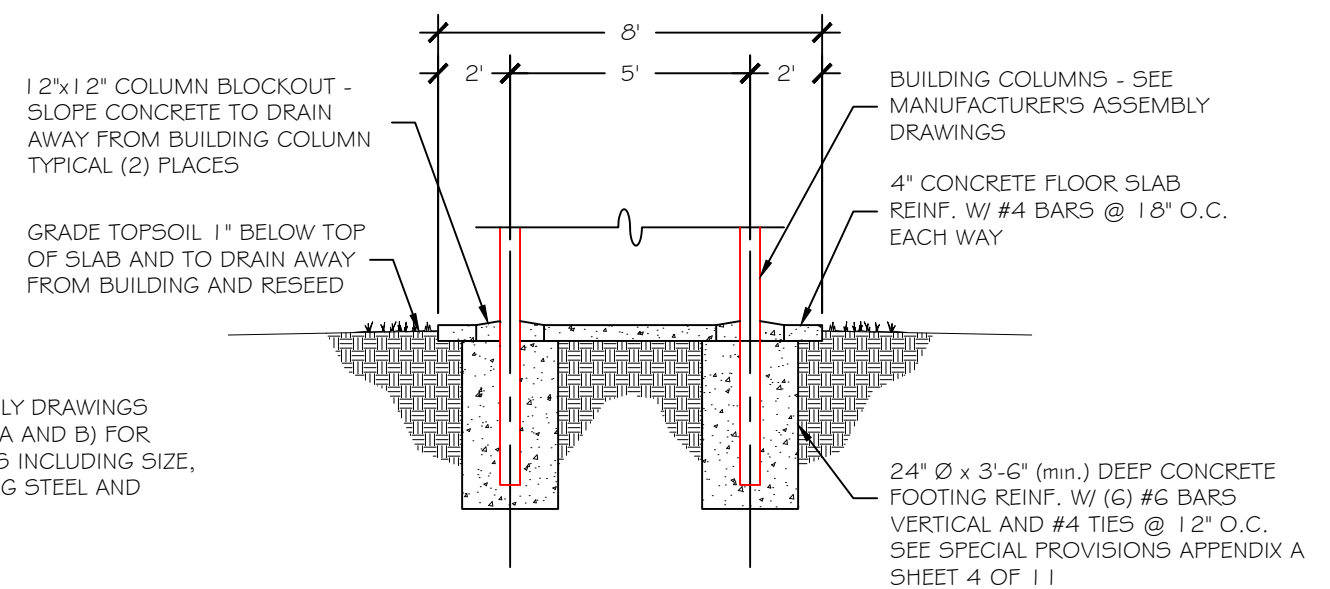
Structure Floor Plans  
 Causeway Fishing Access Site



SHEET:  
 5 of 6



**Picnic Shelter Footing/Floor Section**



**Bench Shelter Footing/Floor Section**

NOTE:  
SEE BUILDING SUPPLIER ASSEMBLY DRAWINGS (SPECIAL PROVISIONS APPENDIX A AND B) FOR CONCRETE FOOTING DIMENSIONS INCLUDING SIZE, RELATIVE LOCATION, REINFORCING STEEL AND ANCHOR BOLT PLACEMENT.

B. Mangum	August 28, 2017				
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CHECKED BY:	DATE:	APPROVED BY:	DATE:	APPROVED BY:	DATE:



**Montana Fish  
Wildlife & Parks**

**Structure Elevations**  
Causeway Fishing Access Site



SHEET:  
**6**  
of  
**6**